STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

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Application Serial Number: _10/597,945_

Source: _TFWO_

Date Processed by STIC: _08/24/2006_

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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
      http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 01/10/06

IFWO

RAW SEQUENCE LISTING　　　　　　　DATE: 08/24/2006
PATENT APPLICATION:　US/10/597,945　　　TIME: 13:07:45

　　　Input Set : **A:\pto.da.txt**
　　　Output Set: **N:\CRF4\08232006\J597945.raw**

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 2 <110> APPLICANT: Korea Research Institute of Bioscience and Biotechnology
 3       KWAK, Sang-Soo
 4       KWON, Suk-Yoon
 5       LEE, Haeng-Soon
 6       RYU, Sun-Hwa
 8 <120> TITLE OF INVENTION: Multiple stress-inducible peroxidase promoter derived from
 9       Ipomoea batatas
11 <130> FILE REFERENCE: 58049-00035
13 <140> CURRENT APPLICATION NUMBER: US 10/597,945
14 2006-08-11
16 <141> CURRENT FILING DATE: 2006-08-11
16 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/000381
17 2004-02-24
19 <160> NUMBER OF SEQ ID NOS: 30
21 <170> SOFTWARE: KopatentIn 1.71
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Handwritten annotations: W-→ 14 ... → Pls Insert Mandatory <141> ; C-→ 16 ; W-→ 17 → Pls Insert Mandatory <151> ; Does Not Comply Corrected Diskette Needed (pg-2,3,4)

ERRORED SEQUENCES

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23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1512
25 <212> TYPE: DNA
26 <213> ORGANISM: Ipomoea batatas
28 <400> SEQUENCE: 1
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31 ggcttctcca tttaccagaa tacccataca gccatgaaag ggcagcttaa gctcacccca  120
33 aagtggctgc tagacaacac tctagagtcg tcagtggccg acgtgctctc actacgccta  180
35 ggcatctcct ccggcaagct ttccgacgaa gactgcatat tctccgccgt taaggaagtg  240
37 gtggacgccg ccattgatgc agaaacccgc atgggtgctt ccctcattcg cctcttcttc  300
39 catgactgct ttgttgatgt acgtacgcta attttgtacg atgatgtttt ttttttttt   360
41 ttttttttc ccactgcatt atattaggaa attaaacaga ttgaaatgtg tgttattaat  420
43 gtattatctg cagggttgtg acgcaggtct tctactaaac gatacaccta ctttcaccgg  480
45 agaacagacc gccggcggca ataataactc agtcagaggt tttgaggtga tacaacaagc  540
47 taaagagaat gtgataacca aatgtcccta catacaagta tcttgtgccg acatcttatc  600
49 cattgctgcc cgtgattctt tccagagagt aagtccattt atttctaaag gttgaaatta  660
51 ataagaacaa gaatccaaac aaataacaga cagtaaaaaa aaaagattta tgtggtttga  720
53 caatatgttg aaattgtttt tatatttaat gactagtatt tatgcattat atttatatgc  780
55 aactctaaac atgcagttta ctggagaaac gtacaccgtg actctgggaa gactcgatgc  840
57 aagaacggcg aaccttaccg gagctaacac ccaactcgtc ggaccaaacg aggaattggc  900
59 atcgcaagtc gagaaatttg cggcgaaagg gttctccgaa acggagctag tcgccttgtt  960
61 aggtgttcac acggttgggt tttcgagatg tccgccttta tgcgttccca ttttcatcaa 1020
63 tcccgcccgg gcctccacgc tgcaatgcaa ctgtccggtg agtcccgacg acaccgggct 1080
65 ggtgggcctg gaccccactc cgttgacgtg ggaccaaagt ttttactccg acgtggctaa 1140
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Input Set : **A:\pto.da.txt**
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 67 cggacaaggg cttctgttct ccgacaacga gctgatgaat agcaacacca ccagcgccgc  1200
 69 cgttaggagg tacagggacg agatggacgc ttttctcgcc gatttcgccg ccgccatggt  1260
 71 gaagatgagc ctcctgccgc cgtcccccgg agtggagctc gaaatccgag aggtttgcag  1320
 73 cgaggtgaat gccaacacag ttgcatccat gtgaagttcg ttcccatcga catcaataac  1380
 75 gtctgtgatt ctgtgaaagt tttactcgga ctgtgaagaa ttttcacttt ctgttgtttc  1440
 77 tgaaataaaa aagatttttt ttttatgtcc taacaaaact tgtattactg aataaaattt  1500
E--> 79 ataaatttgt ta                                                   1512
    80 1512
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   121 <212> TYPE: DNA
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   124 <220> FEATURE:
   125 <221> NAME/KEY: promoter
   126 <222> LOCATION: (1)..(306)
   127 <223> OTHER INFORMATION: -306 deletion promoter
   130 <400> SEQUENCE: 4
   131 taaggtgttt tatcgtggca gcatgagtgc atgacaaacg catatattat tattaaaaca   60
   133 aaatagtact ccaatcataa taaattatct tatattatat tgccaacaat taaaaattca  120
   135 aattagaaca aattaaatct cagtttgctt tattatatta ttatcaacaa taataattta  180
   137 atactgatcg aagaactttc cctttcaagt tctctattta aggaagcctg agaagccatt  240
   139 aatcctcatc atcagctcga ccactcattt cttcttcata cttcctttgc tgtgataatc  300
E--> 141 atcatc                                                         306
   142 306
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   146 <211> LENGTH: 366
   147 <212> TYPE: DNA
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   151 <221> NAME/KEY: promoter
   152 <222> LOCATION: (1)..(366)
   153 <223> OTHER INFORMATION: -366 deletion promoter
   156 <400> SEQUENCE: 5
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   161 aaatagtact ccaatcataa taaattatct tatattatat tgccaacaat taaaaattca  180
   163 aattagaaca aattaaatct cagtttgctt tattatatta ttatcaacaa taataattta  240
   165 atactgatcg aagaactttc cctttcaagt tctctattta aggaagcctg agaagccatt  300
   167 aatcctcatc atcagctcga ccactcattt cttcttcata cttcctttgc tgtgataatc  360
E--> 169 atcatc                                                         366
   170 366
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   175 <212> TYPE: DNA
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   178 <220> FEATURE:
   179 <221> NAME/KEY: promoter
   180 <222> LOCATION: (1)..(433)
   181 <223> OTHER INFORMATION: -433 deletion promoter
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/597,945

DATE: 08/24/2006
TIME: 13:07:45

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08232006\J597945.raw

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      185 atggtgactt aaagggctga atccaacata tattctgaca tttaaaaatg ctaacgtacg        60
      187 gttagattag tataatgaaa taaagttaat cattctctat atttgatgat ggtaattagt       120
      189 atcatggtaa ggtgttttat cgtggcagca tgagtgcatg acaaacgcat atattattat       180
      191 taaaacaaaa tagtactcca atcataataa attatcttat attatattgc caacaattaa       240
      193 aaattcaaat tagaacaaat taaatctcag tttgctttat tatattatta tcaacaataa       300
      195 taatttaata ctgatcgaag aactttccct ttcaagttct ctatttaagg aagcctgaga       360
      197 agccattaat cctcatcatc agctcgacca ctcatttctt cttcatactt cctttgctgt       420
E--> 199 gataatcatc atc                                                          433
      200 433
      360 <210> SEQ ID NO: 10
      361 <211> LENGTH: 1934
      362 <212> TYPE: DNA
      363 <213> ORGANISM: Ipomoea batatas
      365 <220> FEATURE:
      366 <221> NAME/KEY: promoter
      367 <222> LOCATION: (1)..(1934)
      368 <223> OTHER INFORMATION: -1934 deletion promoter
      371 <400> SEQUENCE: 10
      372 ttgccatctc accacttcgt cttaaacaat ctaggatatt cttagatatt cttcatactc        60
      374 aagtctcaca cttgaaatca atcaagactc ttacactaac aattcctcaa tataccatcat      120
      376 aatatcatct ctacttaaac tagagagatt tccaactctc aattaatcac caaaggtaac       180
      378 tctccaaata tccaaatgga aggtttcaac ttccaaacta ataccaaacc aaccggacta       240
      380 atcataatca tattcataat cataaattgt ttctaactgc ccctgtccag aaattacagt       300
      382 tttgcgcagt ccgaaagatt gagccggtaa caatagttcc cgaactcttt ttcacttgaa       360
      384 atttttatgg tagaacccta acttatagta cttgatatcc ataaaaagtt ttggtcacct       420
      386 aggttcacga attaacacag aaaattacat ctttgccctt ggcagtgggc tgtccggaat       480
      388 tctgtctctc tggaccagtt ttggcaaaca attttgaaac cacacttata ctactccaaa       540
      390 aattatgaaa tttttatggt agcttctaca cttatagaac tacatgtata aaaaatattg       600
      392 ggtcaaaata ccttaccgat ttttcccaaa tattcacgga acttactgcc agaatctacc       660
      394 ctgctttttc ctttcactat tttcacaact ataagcatat atgggcataa atatgacatg       720
      396 aacatgcatg aaccaatgca gggtgaaagt aagattgaat atactgatac tacaattaac       780
      398 taatgataaa gtataacttt tgtaaaaaat ttgatttttt tttttgatga attcatatac       840
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      402 aattgacata ttagataaac ttagccatca tatgacattt gatcatgatt gatgattttt       960
      404 aaaaaataaa aacaaaatta tgaaagggta atgaaatatt ttaaaaaaat tatgtaaacc      1020
      406 ctgtaatcta gtaatctgta caataataat tttgtttcaa ctaagaggat gttggcaaaa      1080
      408 gtataattaa acttgtgatc ttcgtacaat aattatgctt cacgcactca actagtcaca      1140
      410 tctttccagg caaaatttac ttttctatga atatgagaag ttccatctat ggaaataacg      1200
      412 gattatttat ctaatttttca aattctatat atatagtctc gagtggaaca aaaatagaac      1260
      414 taatttgaac aaatcaaagt ctaagaaaat aatacatgct ttagcagcaa aaataagaat      1320
      416 ggtactatac ttaatcctca tcatagtctt caaccctgca tatagcacac ttaacatttt      1380
      418 atatcaaat atactttaat ttagtcatga taatacaact cacctactcc attatagccg      1440
      420 ataatacaac tcacctagct actccattat agtccaacaa tatcaaatga ataaaatagt      1500
      422 aatggtgact taaagggctg aatccaacat atattctgac atttaaaaat gctaacgtac      1560
      424 ggttagatta gtataatgaa ataaagttaa tcattctcta tatttgatga tggtaattag      1620
      426 tatcatggta aggtgtttta tcgtggcagc atgagtgcat gacaaacgca tatattatta      1680
      428 ttaaaacaaa atagtactcc aatcataata aattatctta ttatattg ccaacaatta      1740
      430 aaaattcaaa ttagaacaaa ttaaatctca gtttgcttta ttatattatt atcaacaata      1800
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    432 ataatttaat actgatcgaa gaactttccc tttcaagttc tctatttaag gaagcctgag   1860
    434 aagccattaa tcctcatcat cagctcgacc actcatttct tcttcatact tcctttgctg   1920
E-->436 tgataatcat catc                                                     1934
    437 1934
    770 <210> SEQ ID NO: 30
    771 <211> LENGTH: 21
    772 <212> TYPE: DNA
    773 <213> ORGANISM: Artificial Sequence
    775 <220> FEATURE:
    776 <223> OTHER INFORMATION: reverse primer for NPTII
    779 <400> SEQUENCE: 30
    780 atcgggagcg gcgataccgt a                                                 21
E-->782 1
E-->786 1
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delete

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/24/2006
PATENT APPLICATION: **US/10/597,945**   TIME: 13:07:46

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\08232006\J597945.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:4; Line(s) 141
Seq#:5; Line(s) 169

VERIFICATION SUMMARY   DATE: 08/24/2006
PATENT APPLICATION: **US/10/597,945**   TIME: 13:07:46

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\08232006\J597945.raw**

L:14 M:259 W: Allowed number of lines exceeded, <140> CURRENT APPLICATION NUMBER:
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:17 M:259 W: Allowed number of lines exceeded, <150> PRIOR APPLICATION NUMBER:
L:79 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:1512 SEQ:1
L:141 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:306 SEQ:4
L:169 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:366 SEQ:5
L:199 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:433 SEQ:6
L:436 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:1934 SEQ:10
L:783 M:254 E: No. of Bases conflict, this line has no nucleotides.
L:786 M:254 E: No. of Bases conflict, this line has no nucleotides.